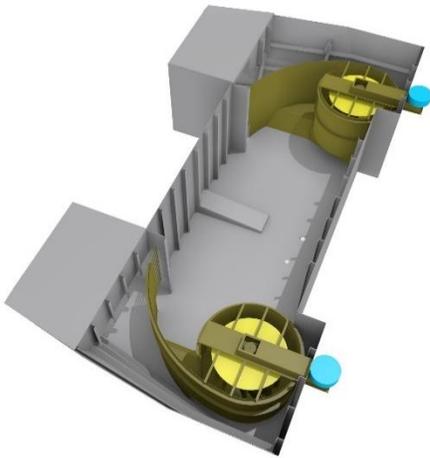


GEPS Techno to equip a Salt Ship Design vessel with the first power producing passive stabilizer

Saint-Nazaire, August 2018.

GEPS Techno just signed its first commercial contract with the Turkish CEMRE shipyard, to install its GSIRE® in a Norwegian fishing vessel.



The GSIRE® solution

GSIRE® - A Green Power Producing Ship Stabilizer

The GSIRE® is a passive and autonomous anti-roll stabilisation system with **integrated turbines/generators** which recover stabilisation power from the water load in motion. Hence, in addition to stabilizing the ship, the GSIRE® offers an additional source of electric power **without any CO2 emission**. It contributes to **reducing** the vessels **fuel consumption** and can ensure the availability of power even during a blackout. With the GSIRE®, GEPS Techno can **install power up to 250kW capacity** with a **return on investment** estimated to **5 - 7 years**.

Proven solution

After two years of sea trial on the oceanographic research vessel Thalassa (belonging to the French Institute of research at sea - IFREMER), we have the following results:

- **Significant reduction of vibrations and noise** compare to traditional stabiliser thanks to smooth fluid movement through vortex chambers
- **High stabilisation rates**
- **Easy operation** – no need for water level adjustments

“Libas” – A world premiere

The ground-breaking and eco-friendly 86.1 m LOA purse seiner and trawler “Libas” is designed by the Norwegian naval architect **Salt Ship Design** for the Norwegian ship owner **Liafjord AS**. “Libas” will be the first vessel (after GEPS Techno’s prototype) to be equipped with a GSIRE®. **Two turbines of 30 kW capacity** each are going to be installed in the tank. **CEMRE Shipyard** has placed the order of the GSIRE® for a delivery in April 2019.

Proud Agent

As the agent for GEPS Techno in Norway, **GearConsult AS** is proud to “see the first GSIRE go to a vessel with not only a Norwegian owner, but also with a Norwegian design. This confirms the notion that Norwegians take pride in being in the forefront when it comes to environmentally sustainable solutions. GearConsult wish to congratulate Liafjord AS and SALT Ship Design in their decision to install the GSIRE on “Libas”. We are confident that they will be happy with this environmentally friendly source of free

electricity, and that this will be the first of many GSIREs to be installed in vessels built at Norwegian yards, for Norwegian owners and/or with Norwegian designs. We look forward to continuing working together with GEPS Techno in taking a step towards a greener future”, says Ludvig Nyquist, GearConsult Managing Director.



© Salt Ship Design

Award winning technology

On March 23rd, 2018, GEPS Techno won the “**Green Ship Technology of the year award**” for its GSIRE® technology, part of the GST & Shipping2030 Europe conference that took place in Copenhagen.

GEPS Techno

Created by Jean-Luc LONGEROCHE and Philippe MAGALDI in 2011, GEPS Techno is involved in the marine renewable energy development through "energy autonomy at sea, off-grid".

As a specialist of stabilization and renewable energies, GEPS Techno offers stabilisation solutions for ships which reduce roll and pitch in all sea states and vessel conditions.

With the SIRE® they have developed and commercialized a passive roll reduction tank based on a specific patented design. The GSIRE® is a SIRE® with turbines/generators, which collect the ships stabilization power and turning it into electric power.

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